

Electro-Voice®

a MARK IV company

Model PL10

Dynamic Cardioid Instrument Microphone

SPECIFICATIONS

Element:

Dynamic

Frequency Response:

75-15,000 Hz

Polar Pattern:

Cardioid

Impedance:

Lo-Z (150 ohms nominal)

Sensitivity,

Open Circuit Voltage:

1.41 mV/Pascal at 1,000 Hz

Power Level:

-55.8 dB at 1,000 Hz

(0 dB = 1 mW/Pascal)

Hum Pickup Level:

-120 dBm/mOe at 60 Hz

Case Material:

Steel

Dimensions:

134.6 mm (5.3 in.) long

42.2 mm (1.7 in.) wide

Finish:

Non-reflecting gray

Net Weight:

315 g (11 oz.)

Accessories Furnished:

81715 stand adapter

Zippered vinyl carrying case

Optional Accessories:

309 shock mount

PLC-25X cable

PLC-25P cable

DESCRIPTION AND APPLICATIONS

The Electro-Voice Model PL10 is a professional quality, dynamic, cardioid microphone created especially for music—recording and live sound reinforcement applications requiring a flat frequency response over a very wide range. The extended frequency response, coupled with an excellent transient response, makes the PL10 easily comparable to the finest microphones for pickup of musical instruments or voices. The PL10 is virtually free of bass-boosting "proximity effect" when used close to a sound source because the PL10 is a Continuously Variable-D® microphone.

Designed as a cardioid microphone, the PL10 offers the greatest sound rejection at 180° off axis with a wide rear angle of attenuation which is typical of a cardioid microphone. Directional control is so effective that the frequency response is nearly

independent of angular location of the sound source, creating a minimal off-axis coloration yet providing the greatest possible rejection of unwanted sounds. An integral blast and wind filter covers each acoustic opening on the PL10. At recording sessions or on stage vocalists can work the microphone up close, singing with their lips almost touching the grille screen with no worry of "p-pops" or excessive sibilance. The wind filter also shock mounts the internal microphone element, reducing the transfer of vibration from external sources such as drum or cymbal stands.

Utilizing this mechanical nesting concept of the internal transducer parts nested within a protective wind filter and shock mount, the PL10 is able to withstand all rigors of professional use.

The PL10 will provide excellent sonic results when used with floor toms, elevated tom-toms, conga drums, brass instruments, guitar or bass speaker cabinets, and stand mounted lead or background vocals.

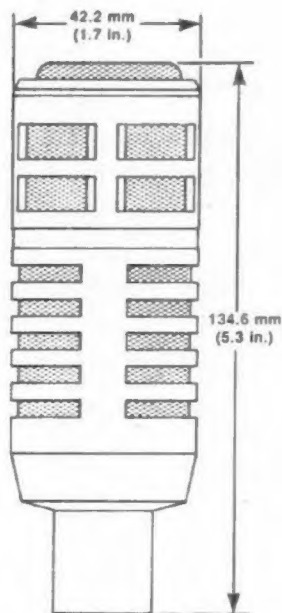


FIGURE 1 — Dimensions

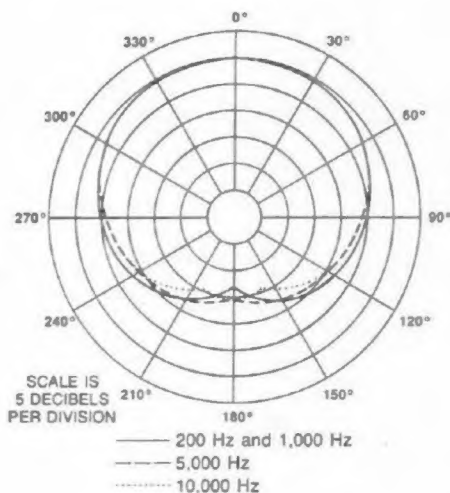


FIGURE 2 — Polar Responses

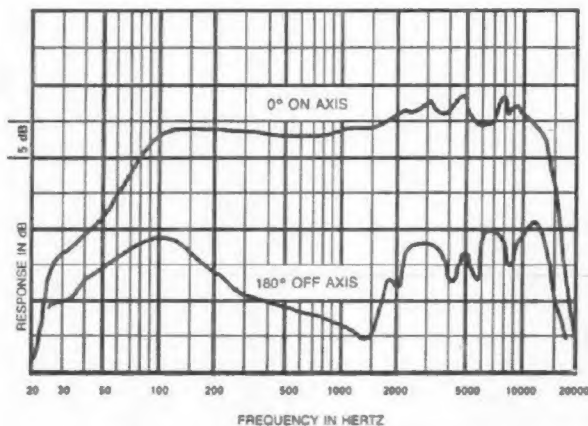


FIGURE 3 — Frequency Response

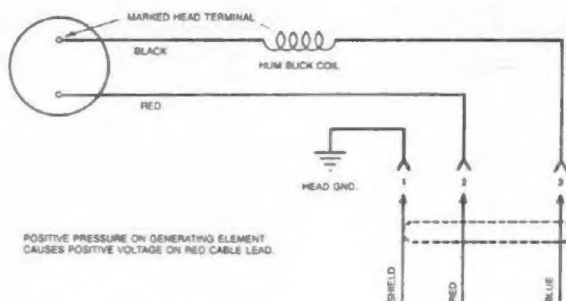


FIGURE 4 — Wiring Diagram

WARRANTY (Limited)

Electro-Voice Professional, PL & BK Series Microphones are guaranteed against malfunction from any cause for a period of two years from date of original purchase. Also, these microphones are guaranteed without time limit against malfunction in the acoustic system due to defects in workmanship and materials. Any active electronics incorporated in the microphone are guaranteed for three years from date of original purchase for parts and labor against such malfunction. If such malfunction occurs, microphone will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not extend to finish, appearance items, cables, cable connectors, switches, or malfunction due to abuse or operation under other than specified conditions, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than Electro-Voice or its authorized warranty service agencies will void this guarantee. A list of authorized warranty service centers is available from Electro-Voice, Inc., 600 Cecil Street, Buchanan, MI 49107 (AC/616-695-6831); or Electro-Voice West, 8234 Doe Avenue, P.O. Box 3297, Visalia, CA 93291 (AC/209-651-7777). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Service and repair address for this product: Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107.

Specifications subject to change without notice.



ELECTRO-VOICE, INC., 600 Cecil Street, Buchanan, Michigan 49107

MANUFACTURING PLANTS AT ■ BUCHANAN, MI ■ NEWPORT, TN ■ SEVIERVILLE, TN ■ OKLAHOMA CITY, OK ■ GANANDQUE, ONT
©Electro-Voice, Inc. 1990 ■ Litho in U.S.A. Part Number 531609-003

o MARK IV company